

NAREMSKIY, N. K. --"Investigation of Centrifugel Separators for Pneumatic Transport." Min Higher Education USSN. Cdessa Technological Instiment I. V. Stalin. Odessa, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SC: Knizhnaya Letopis', No 1, 1956

124-58-6-6876

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 6, p 88 (USSR)

AUTHORS: Platonov, P.N., Naremskiy, N.K.

TITLE: Investigation of the Functioning of Centrifugal Cyclone-separators

[Issledovaniye raboty tsentrobezhnykh tsiklonov-otdeliteley (raz-

rionelisminete energia broed i experimento de la constanta de

gruziteley)]

PERIODICAL: Tr. Nauchno-tekhn. o-vo mukomol. i krupyan. prom-sti i

elevat. kh-va, 1957, Nr 5, pp 3-32

ABSTRACT: The investigation of the functioning of a cyclone was performed on an experimental installation by means of measuring the hydraulic

resistance of the cyclone (energy criterion) and the amount of material collected by the cyclone (performance criterion). It was found that the hydraulic resistance of the cyclone diminishes with increasing concentration of the solid phase. The least amount of material carried off was found at inlet speeds of the flow from 11 to 18 m/sec. For bringing the trajectories of the air particles and the solid phase closer together, which promotes better precipitation of the solid phase, the inlet angle should be equal to 12°.

The least carry-off of solid particles took place at taper angles

Card 1/2 of from 16°40' to 24°50'. Increasing the height of the cylin-

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124-58-6-6876

Investigation of the Functioning of Centrifugal Cyclone-separators

drical part of the cyclone lowered its resistance somewhat without affecting its collection efficiency. The optimum ratio of the diameters of the outlet and the cylindrical part of the cyclone was found to be 0.6. By increasing the diameter of the cylindrical part of the cyclone, its absolute resistance is increased. A number of empirical relationships are given for determining the basic dimensions of a centrifugal separator for pneumatic transport installations.

U.Ts. Andres

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1. Centrifuges--Performance 2. Materials--Separation

Card 2/2

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0011360300

BENDERSKIY, S.N., kand.tekhn. nauk; BURSIAN, V.R., prof., kand.
tekhn. nauk; VASIL'YEV, P.N., inzh.; DORFMAN, E.Ye., inzh.;
ZHURAVLEV, V.F., kand. tekhn. nauk; KESTEL'MAN, V.K.,
inzh.; KRUGLOV, A.N., dots., kand. tekhn. nauk; KUKIENYY,
A.A., dots., kand.tekhn. nauk; LEVACHEV, N.A., dots., kand.
tekhn. nauk; LEYKIN, A.Ya., inzh.; NAREMSKIY, N.K., dots.,
kand. tekhn. nauk; PLATONOV, P.N., prof., doktor tekhn.
nauk; SOKOLOV, A.Ya., prof., doktor tekhn. nauk; KUTSENKO,
K.I., kand. tekhn. nauk, dots., retsenzent; VEREMEYENKO,
Ye.I., inzh., retsenzent; KOVTUN, A.P., inzh., retsenzent;
SEMENYUK, A.I., retsenzent; KASHCHEYEV, I.P., inzh.,
retsenzent; PAL'TSEV, V.S., kand. tekhn. nauk, retsenzent;
KHMEL'NITSKAYA, A.Z., red.

[Conveying and reloading machinery for the overall mechanization of the food industries] Transportiruiushchie i peregruzochnye mashiny dlia kompleksnoi mekhanizatsii pishchevykh proizvodstv. Moskva, Pishchevaia promyshlennost!, 1964.
759 p. (MIRA 18:3)

(Continued on next card)

BENDERSKIY, S.N. (continued). Card 2.

1. Odesskiy tekhnologicheskiy institut imeni M.V.Lomonosova (for Kutsenko, Naremskiy, Veremeyenko, Kovtun). 2. Starshiy ekspert Upravleniya po avtomatizatsii i oborudovaniyu dlya pishchevoy promyshlennosti Gosudarstvennogo komiteta po mashinostroyeniyu pri Gosplane SSSR (for Semenyuk). 3. Glavnyy mekhanik Gosudarstvennogo instituta po proyektirovaniyu predpriyatiy mukomol'nokrupyanoy i kombikormovoy promyshlennosti i elevatorno-skladskogo khozyaystva (for Kashcheyev).

4. Zaveduyushchiy laboratoriyey Vsesoyuznogo nauchno-issledovatel'skogo instituta zerna i produktov ego pererabotki (for Pal'tsev).

L1:961 5/858/62/000/001/003/013

D296/D307

27 1100

27 1220

AUTHOR:

Narepekha, O. M.

TITLE:

Study of the protein fractions in the brain after exposure to x rays

SOURCE:

L'vov. Universytet. Problemna lyaboratoriya radiobiolohiyi. Biologicheskoye deystviye radiatsii, no. 1, 1962,

26-29

TEXT: The author studied changes in the water-soluble proteins of the brain in 10 adult rabbits exposed to total body radiation by means of a dose of 800r at a rate of 16r/min. After the exposure, the brain was cleaned of blood, meninges and blood vessels, and was homogenized with an equal volume of normal saline. The homogenate was frozen by means of liquid nitrogen and left in the deep freeze for 24 hours. The homogenate was then melted, and centrifuged for one hour at 15,000 rpm. The supernatant liquid obtained had a protein content of 1.8 - 2%. To increase this to the concentration of serum protein (7 - 8%) the solution was precipitated

Card 1/2

Study of the protein ...

S/858/62/000/001/003/013 D296/D307

with tannin and the protein was liberated from the protein-tannate complex with caffeine. The pH adjusted to 4.7. After ten minutes, the solution was centrifuged, the supernatant liquid was discarded and the centrifugate washed twice in normal saline and redissolved by the addition of caffeine. The solution was centrifuged for 30 minutes at 15,000 rpm, after which the centrifugate contained the protein liberated from the protein-tannate complex. The solution obtained had a protein concentration of 9 - 10%. This was then investigated by electrophoresis on agar gel in a veronal-medinal buffer (pH 8.6), at a voltage of 220 v. In the control rabbits, electrophoresis of the solution obtained in the described manner yields 9 - 11 fractions, one of which was a pre-albumin fraction, the second an albumin fraction, and the others corresponded to various serum-globulin fractions. In rabbits exposed to radiation the number of fractions increased to 13, mainly fractions corresponding to the serum-albumins. There is 1 figure.

ASSOCIATION:

Kafedra fiziologii cheloveka i zhivotnykh L'vovskogo universiteta (Department of Human and Animal Physiology, L'vov University)

Card 2/2

Country: USSR

Category: Cultivated Plants. Grains.

Abs Jour: RZhBicl., No 11, 1958, No 48890

Author : Chkhenkeli, N.I.; Naresheli, T.A. Inst : Georgian Agricultural Inst.

Title : Density of Corn Stand in Square-Pocket Saving.

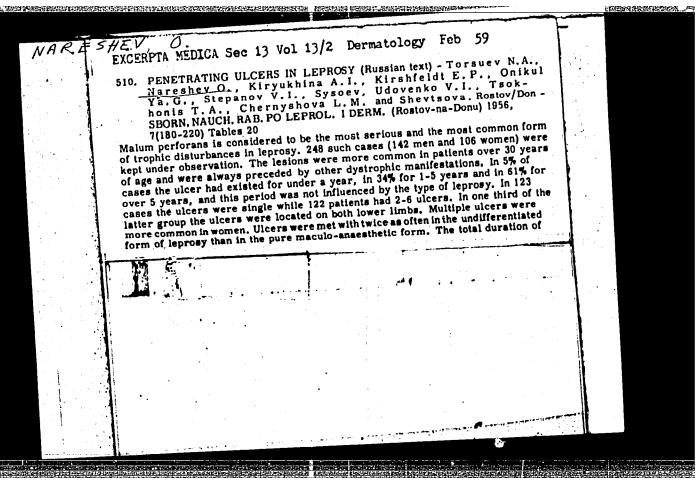
Orig Pub: Tr. Gruz. s.-lin. in-ta, 1957, 46, 245-253

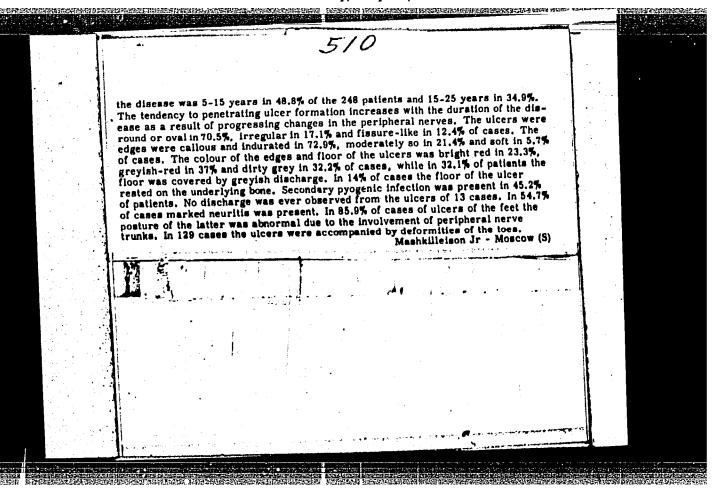
Abstract: No abstract.

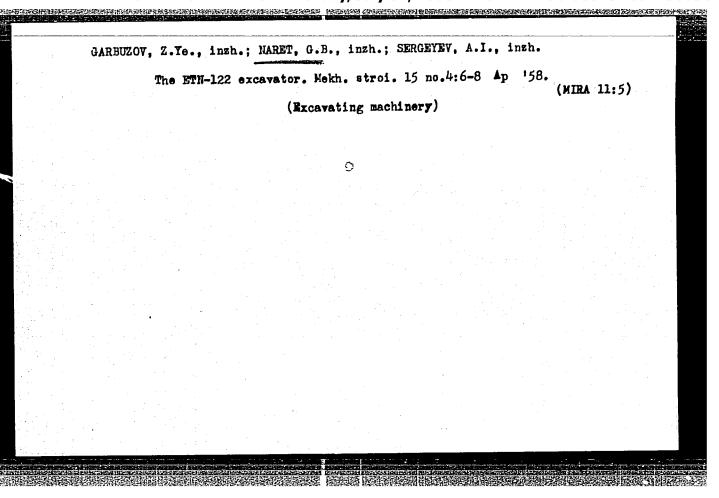
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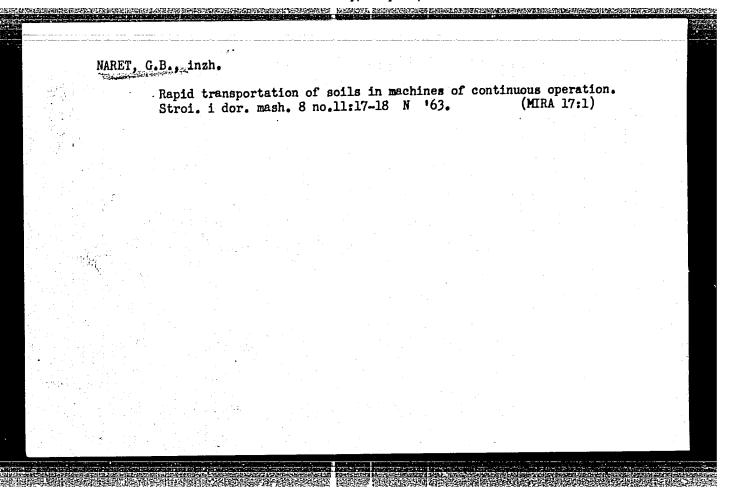
CIA-RDP86-00513R0011360300 **APPROVED FOR RELEASE: Monday, July 31, 2000** 

Naresheli, T. A., Cand of Agri Sci — (diss) "Comparative Effectiveness of Mineral Fertilizers Applied During the Primary Plowing and the Pre-Sowing Preparation of the Soil for Sugar Bests," Tbilisi, 1959, 23 pp (Georgian Agricultural Institute) (KL, 8-60, 118)









ACC NR: AM5027781 Monograph URV

Corbugate 7 VF : Tilescorie V K : Mutushey G A : Namet G B : Podborskiy L VI

Garbuzov, Z. YE.; Il'giscnis, V. K.; Mutushev, G. A.; Naret, G. B.; Podborskiy, L. YE.
Uspenskiy, V. P.

Continuous excavating machines; design and construction (Zemleroynyye mashiny nepreryymogo deystviya; konstruktsii i raschety) Moscow, Izd-vo "Mashinostroyeniye," 1965. 275 p. illus., biblio., tables. 3700 copies printed.

PURPOSE AND COVERACE: The book describes the basic type of continously operating excavating machines, such as chain and rotor trench excavators, chain bucket transverse excavators, open-cut excavators, elevating graders, as well as excavating machines used in irrigation and reclamation construction. The discussion of design includes determination of the basic parameters of machines, power values of drive mechanisms, general statistical and dynamic calculations, and load conditions of units and assemblies. The book is intended for engineering and technical personnel of design offices and machine building plants. It may also be useful for students of civil engineering and machine building. There are 54 references, of which 52 are Soviet.

TABLE OF CONTENTS [abridged]:

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Ch. I. The field of application and the classification of continuously operating excavating machines  $\frac{1}{2}$ 

Card 1/2

UDC: 621.879.4.002.2

### ACC NR: AM5027781

- Ch. II. Interrelationship between the operating machine and the soil 10
- Ch. III. The drive mechanism and the automation of operating processes 23
- Ch. IV. Conveyer installations 33
- Ch. V. Chain trench excavators 53
- Ch. VI. Rotary trench excavators 97
- Ch. VII. Chain bucket transverse excavators 134.
- Ch. VIII. Rotary open-cut excavators 156
- Ch. IX. Elevating graders 200
- CH. X. Continuous excavating machines for the construction of irrigation and drainage canals 228
- Ch. XI. Different types of continuous excavators and prospects of their development 263

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SUB CODE: 13 / SUBM DATE: 15Apr65/ ORIG REF: 052/ OTH HEF: 002

Card 2/2

GARBUZOV, Z.Ye.; IL'GISONIS, V.K.; MUTUSHEV, G.A.; NARET, G.B.;
PODBORSKIY, L.Ye., kand. tekhn. nauk; USPENSKIY, V.P.;
FEDOROV, A.P., inzh., retsenzent

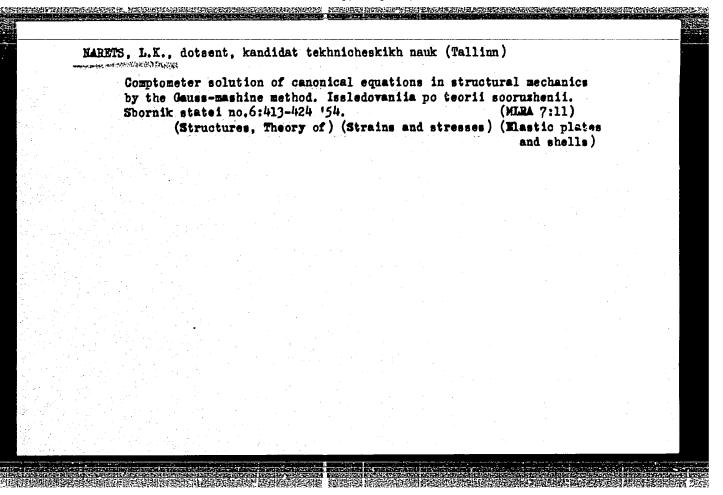
[Continuous action earth-digging machines; designs and calculations] Zemleroinye mashiny nepreryynogo deistviia; konstruktsii i raschety. [By] Z.E.Garbuzov i dr. Moskva, Mashinostroenie, 1965. 274 p. (MIRA 18:7)

NARETS, L. K., Docent

USSR

Cand. Technical Sci.

"Fifteen years of operation of a welded bridge, " Avtogen, Delo, No. 6, 1949



**的影响和自己的影响的。这种是一种特别的影响和自己的影响。** 

NARETS, L. K.

"Computation of Statistically Indeterminate Systems by Machine Methods". Tr. Tallinsk. Politekhn. in-ta, Ser. A, No 54, pp 1-52, 1954.

Several methods of solving systems of linear algebraic equations are expounded in an elementary manner, with particular attention paid to methods that permit the effective application of the calculating machine, and also the problems of organization of computations and their checking. Application of these methods to the calculation of frames is considered in detail, particularly the problems of the computation of frames without calculation of the numerical values of the unknowns of the algebraic system. A large number of concrete examples is presented. (RZhMekh, No 10, 1955)

SO: Sum No 884, 9 Apr 1956

<u> Centerna della propositione dell'especial </u>

### PHASE I BOOK EXPLOITATION SOV/1470

### Narets, L.K.

Raschet staticheski neopredelimykh sistem na malykh vychislitel'nykh mashinakh (Calculation of Statistically Indeterminate Systems on Small Calculating Machines) Moscow, Gosstroylzdat, 1958. 60 p. 4.000 copies printed

Scientific Ed.: I.K. Snitko, Doctor of Technical Sciences; Ed. of Publishing House: N.O. Yegorova; Tech. Ed.: N. Borovnev

PURPOSE: The booklet is intended for designers in structural engineering, scientific workers and students at vuzes.

COVERAGE: The booklet is concerned with applications of machine computing techniques in structural engineering. The mathematical principles are given in elementary form and modern calculation methods of structural mechanics are presented. By means of numerous examples, computing techniques using small calculators for the

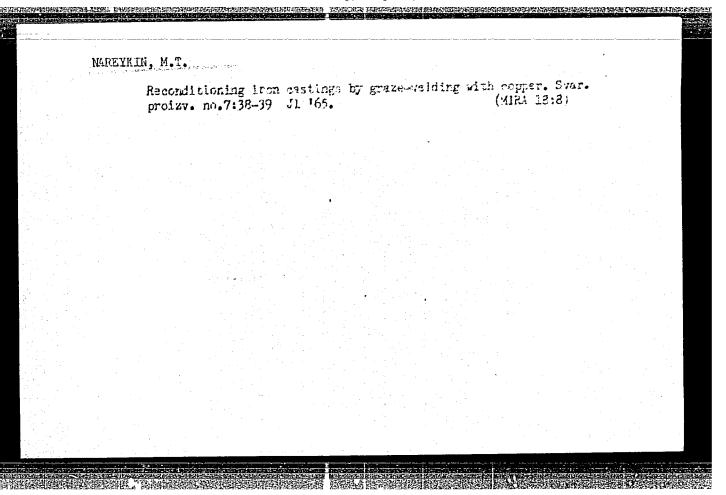
Card 1/4

Calculation of Statistically Indeterminate Systems (C	ont.) SOV/1470
solution of systems of linear algebraic equations the design of statistically indeterminate structur demonstrated. There are 26 references, 21 of which 2 French and 3 German.	es are
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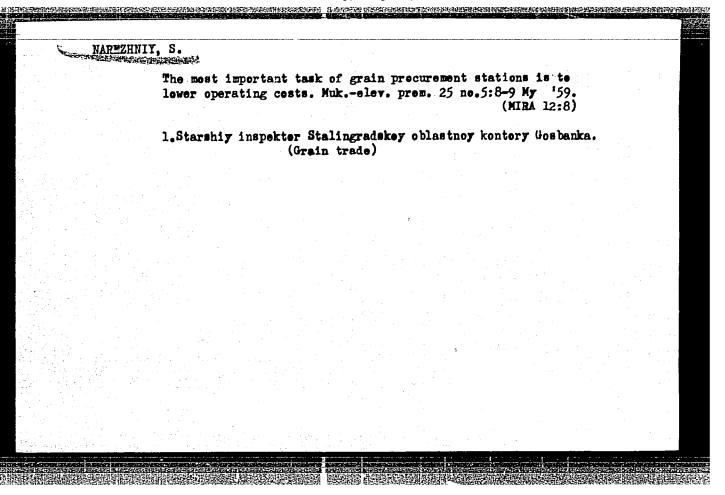
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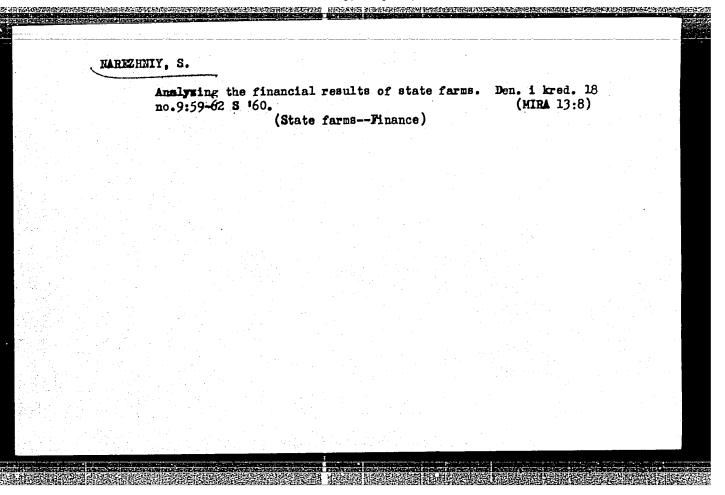
	ation of Statistically Indeterminate Syst	ems (Cont.) SOV/147	1
7. 8.	Calculation of framces without computati Application of the algebraic Jordan-Eitk Application of Jordan-Eitkin method to can frames by the force method. Group diagrams	in method. 4  Alculation of	2
9•	forces. Orthogonalisation of diagrams Application of Jordan-Eitkin method to c frames by the method of deformations. A generalized method of deformations. Con the methods of N.M. Bernadskiy, Hardy, C	pplication to nection with ross and other	
10.	relaxation methods Other applications of the Jordan-Eitkin	nethod 5	ე ნ
Reference	)B	6	0
AVAILABLI	: Library of Congress		
Card 4/4	LK/ 5-1	ksv 4-59	
Card 4/4			

## NARETS, Lev Karlovich, dots., kand. tekhn. nauk [New problems in the statics, dynemics and stability of beams arising in connection with the appearance of computers of continuous and discrete action] Novye voprosy statiki, dinamiki i ustoichivosti balok, voznikaiushchie v sviazi s poiavleniem vychislitel'nykh mashin nepreryvnogo i diskretnogo deistviia; uchebnoe posobie. Tallinn, Tallinskii politekhn. in-t, 1963. 87 p. [MIRA 16:11] 1. Tallinskiy politekhnicheskiy institut. Kafedra stroitel'noy mekhaniki (for Narets). (Beams and girders) (Electronic analog computers--Programming)



# Change the system of compensating grain procurement stations for marketing expenses. Den.i kred. 17 no.9:53 5 59. (MIRA 12:12) 1. Starshiy kreditnyy inspektor Stalingradskoy kontory Gosbanka. (Grain trade—Finance)



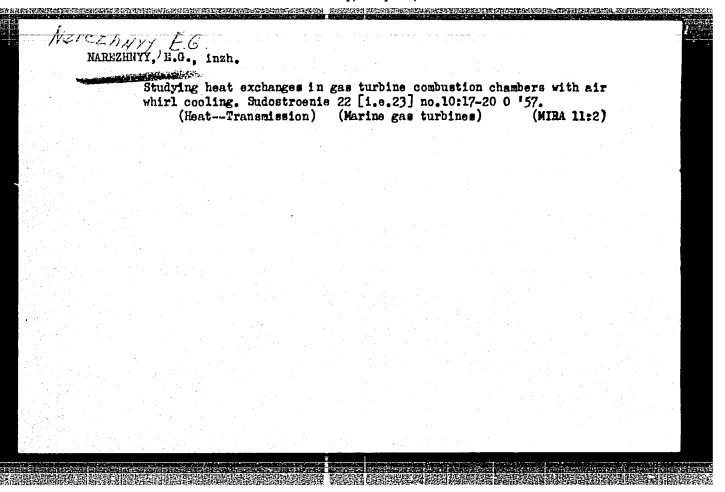


NAREZHNIY, S.; OGDANETS, N.; MOSUNOV, G.

Credit-payment service to collective and state farms. Den. 1
kred. 19 no.3:37-48 Mr '61. (MIRA 14:3)

1. Starshiy kreditnyy inspektor Stalingradskoy kontory Gosbanka
(for Narezhniy). 2. Nachal'nik otdela kreditovaniya i Tinansirovaniya sel'skogo bhozyayitva Stalinskoy kontory Gosbanka
(for Ogdenets). 3. Upravlyayushchiy Novo-Tor'yal'skim otdeleniyem Gosbanka Mariyakoy ASSR (for Mosunov).
(Agricultural credit'
(Banks and banking)

NAREZHNYY, D.				
	Automobile modelmakers of Uzbekistan. Za rul. 19 no.7:32 Jl '61. (MIRA 14:8)			
	l. Instruktor respublikanskogo komiteta Dobrovel'nogo obshchestva sodeystviya armii, aviatsii i flotu Uzbekskoy			
	SSR. (Uzbekistan Automobiles Models)			



24(8)

PHASE I BOOK EXPLOITATION SOV/3118

Narezhnyy, E. G.

Issledovaniye teploobmena v gazoturbinnoy kamere sgoraniya s zavikhritelem okhlazhdayushchego vozdukha; avtoreferat dissertatsii na soiskaniye uchendy stepehi kandidata tekhnicheskikh nauk (Study of Heat Exchange in Gas Turbine Combustion Chambers With Swirling Devices of Secondary Air Plow; Author's Abstract of a Dissertation for the Degree of Candidate of Technical Sciences) Leningrad, 1958. 16 p. 150 copies printed.

Sponsoring Agency: Leningradskiy korablestroitel nyy institut.

Scientific Ed.: V. M. Antuf'yev, Candidate of Technical Sciences, Docent.

PURPOSE: This booklet may be useful to scientists and engineers designing gas turbine engines or doing research in the field of heat transfer in gas turbines.

COVERAGE: This is an author's abstract of a dissertation for the degree of Candidate of Technical Sciences. The author reviews Card 1/3

Study of Heat Exchange (Cont.)

SOV/3118

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Dustion of the wall temperature maximum in the combustion chamber is stable and does not depend on operating
parameters. 4. The type of fuel atomizer has little influence
on the radiation temperature of the flame, except for atomizers
which substantially disturb the aerodynamics of the combustion
chamber and consequently the temperature field of the flame.

5. The investigation of heat exchange in a combustion chamber
with a cooling air swirling device may be simplified by determining the convective heat transfer coefficient on the basis of
consecutive isothermic blowings through, and by measuring the
temperatures of the combustion chamber walls and of the cooling
air in combustion tests. 6. The calculation of the maximum
temperature of the wall of the combustion chamber with a cooling
air swirling device should be made according to the method
suggested by the author in this article. No personalities are
mentioned. There are no references.

AVAILABLE: Library of Congress

Card 3/3

AC/ec 3-21-60

84483 8/112/59/000/014/015/085 A052/A001

26.2/35
Translation from: Referativnyy zhurnal, Elektrotekhnika, 1959, No. 14, p. 32, # 28754

AUTHORS:

Kuznetsov, L. A., Lamm, Yu. A., Narezhnyy, E. C.

TITLE:

Combustion Chambers of Gas-Turbine Installations

PERIODICAL: Tr. Nevsk. mashinostroit. z-da, 1957 (1958), No. 1, pp. 227-244

TEXT: The results of investigations of combustion chambers for liquid fuel and low-calorie gas are reported. The investigations were carried out both on models and on a test gas-turbine installation NZL GT-550-1. The cyclon combustion chamber with a cup proved to be the most promising one for liquid fuel. It represents a combination of three swirlers, 2 of which are used for the primary air supply and the third for curling the secondary air. The amount of primary air secures combustion with an average excess of 2-2.5. The intermixing of combustion products with secondary air is performed by an S-like mixer which reduces the total resistance of the combustion chamber by ~10% and enables one to obtain any temperature field behind the combustion chamber. Coefficient of

Card 1/2

8ЦЦ83 8/112/59/000/014/015/085 A052/A001

Combustion Chambers of Gas-Turbine Installations

resistance referred to the velocity at the inlet is 8-10. Diagrams show temperature fields under various operational conditions of the combustion chamber. The advantages of cooling the combustion chamber with a secondary air swirler are shown. A blast-furnace gas combustion chamber has a 2-stage swirler with opposite angles of curl. Gas and air are supplied through the both swirlers in alternating layers. Fields of axial and tangential velocities at cold and hot blowings are presented, as well as temperature fields at burning liquid fuel in the combustion chamber. Gas combustion with  $Q_p^p = 600-100 \text{ kcal/nm}^3$  is secured only in a combustion chamber with a standby liquid fuel flame. The developed combustion chamber designs are used in the serial installation GT-600-1.5 as well as in PG-50 000 and GT-600-6 installations.

V. S. P.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

67489 24,5400 SOV/24-59-5-21/24 AUTHOR: Narezhnyy, E.G. (Leningrad) TITLE: A Method of Calculating the Maximum Temperature in the Flame Tube of a Gas Turbine Combustion Chamber 23 PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Energetika i avtomatika, 1959, Nr 5, pp 182-185(USSR) ABSTRACT: The paper is a continuation of previous work (Ref 1). The temperature of the metal in a gas turbine combustion chamber is a result of equilibrium between the flame and the wall, and between the wall and the cooling air. The processes occurring in the chamber, working with liquid or gaseous fuel, and with forced air cooling, can be described approximately by equations which include those of continuity, viscous fluid motion, constitution, energy, material exchange, homogeneous combustion, radiation exchange and convective heat exchange. Applying the theory of similarity, it can be shown that the ratio (R) of the radiation per unit area to the maximum possible radiation at the same temperature is a function of the Card Boltzmann criterion (B), the blackness of the flame ( $\epsilon$ ) 1/2 and a geometric factor. Experimental results for a

67489

SOV/24-59-5-21/24

A Method of Calculating the Maximum Temperature in the Flame Tube of a Gas Turbine Combustion Chamber

chamber with a mechanical atomiser show that if 35 < B < 120, then

 $R/\epsilon = 0.008 B$ 

and if

Card

2/2

120 < B < 200, then

 $R/\epsilon = 0.96$ .

Similar results are obtained with an ejection atomiser.

The wall temperature is found from these results, in conjunction with the heat balance equation for the walls. The calculated values show good agreement with experiment.

There are 4 figures and 3 references, of which 2 are

Soviet and 1 is English.

SUBMITTED: April 10, 1959

DUBROVSKIY, O.V., kand. tekhm. nauk; KUZNETSOV, L.A., kand. tekhn. nauk; NAREZHNYY, E.G., kand. tekhn. nauk

Experimental study of a model of a three-register combustion chamber of a gas turbine system operating on liquid fuel.

Teploenergetika 10 no.7:31-36 Jl '63. (MIRA 16:7)

l. Nevskiy mashinostroitel nyy zavod i Leningradskiy korablestroitel nyy institut.

(Gas turbines)

PERINDERATURATURATURATURA (1765) INGENIN BENERATURA (1866) HERARURAN BENERATURAN BENERATURA (1866) BENERATURA B

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0011360300

ACC NR: AR6035220

SOURCE CODE: UR/0274/66/000/008/B087/B087

AUTHOR: Narezhnyv, E. G.; Sudarev, B. V.

TITLE: Effects of certain heat and design parameters on the degree of overheating of a single micromodule cooled under natural convection conditions

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs; 8B613

REF SOURCE: Tr. Leningr. korblestroit. in-ta, vyp. 47, 1965, 81-90

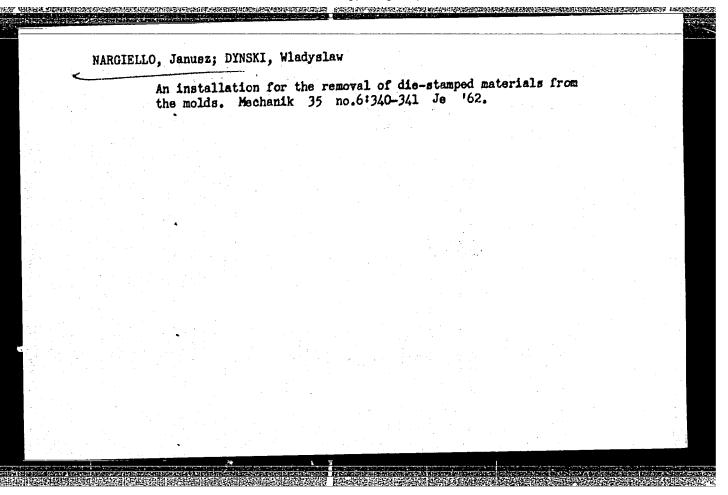
TOPIC TAGS: parameter, heat conductivity, heat transfer, module, micromodule, printed plate, printed circuit

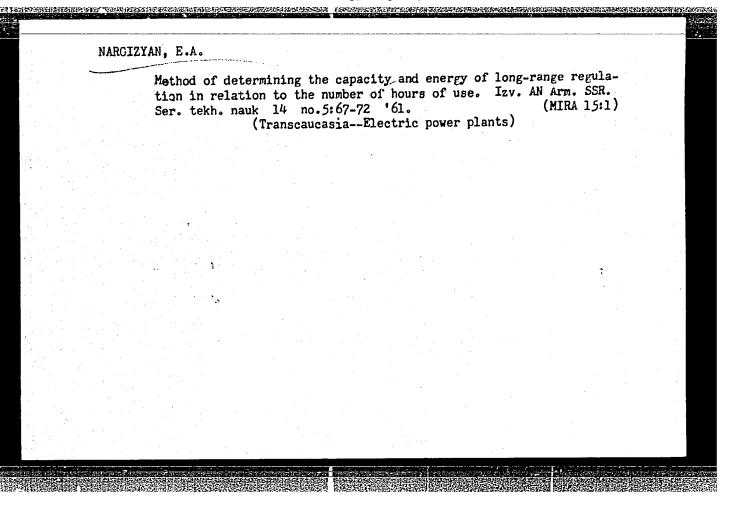
ABSTRACT: The micromodule, fastened vertically to a printed plate, contains one heat-releasing element connected to the plate by wire leads; the plate is cooled due to natural convection. The differential equation of heat conductivity for this design is determined in a general form and the temperature of the heat releasing element is expressed in terms of basic thermal and design parameters M. An analysis of the relationships shows that since the heat transfer from the module is limited by conditions of external heat transfer from the surface, more effective measures of

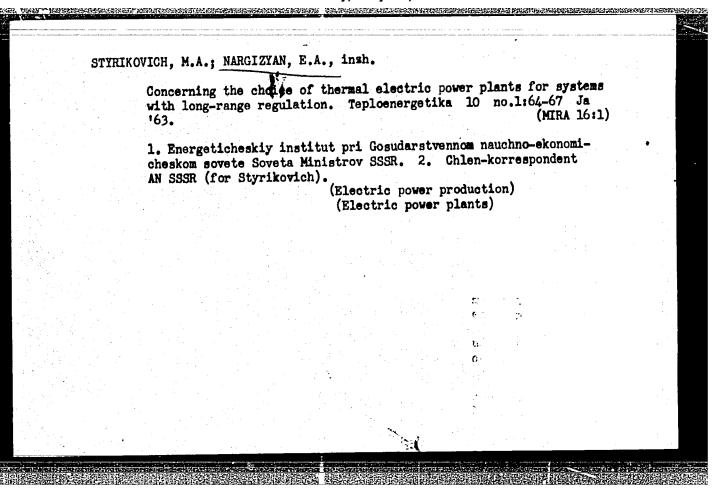
Card 1/2

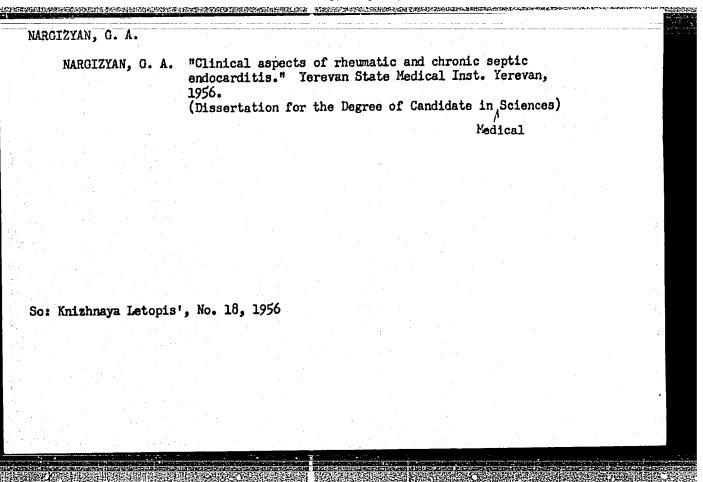
UDC: 621.396.6-181.5

its amplification a increase of the pr ment of the working directed downward tion of abstract]	inted plate, ng element i	the use of n the upper	unloading face par	, metal pl t of M. if	ates, and the wire l	the place- eads are e. [Transla-	-
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SUB CODE: 20/							
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card 2/2							









MNATSAKANOV, T.S., zasl.deyat.nauki, prof.; KATANYAN, A.A., doktor med.nauk, dotsent; DARBINYAN, G.L., kand.med.nauk; NARGIZYAN, G.A.

Clinical observations of the cardiovascular reaction in patients with hypertension of the first and second stages being treated at the Dzhermuk health resort. Vop.kardiol. no.1:37-48 \*56.

(MIRA 12:9)

1. Iz Fak.terap. kliniki Yerevanskogo meditsinskogo instituta. (CARDIOVASCULAR SYSTEM) (HYPERTENSION) (DZHERMUK--HYDROTHERAPY)

MNATSAKANOV, T.S., KATANYAN, A.A., HARGIZYAN, G.A.

Effect of Dzhermuk mineral bath on hemodynamics. Vop.fizioter.

1 lech. fiz.kul't. 23 no.6:498-502 N-D '58 (MIRA 11:12)

1. Iz fakul'tetskoy terapevticheskoy kliniki (sav. - saslushennyy deyatel' nauki prof. T.S. Mnatsakanov) Yerevanskogo meditsinskogo instituta.

(CARDIOVASCULAR SYSTEM) (DZHERMUL-MINERAL WATERS)

MWATSAKANOV, T.S., prof.; KATANYAN, A.A., prof.; NARGIZYAN, G.A., kand.

Carditoxin treatment of patients with chronic circulatory insufficecy. Sov.med. 24 no.1:89-93 Ja \*60. (MIRA 13:5)

## KATANYAN, A.A., prof.; NARGIZYAN, G.A., kand.med.nauk

Prolonged anticoagulant therapy of patients with coronary atherosclerosis and stenocardia. Terap.arkh. 32 no.10:55-58 160.

(MIRA 14:1)

1. Iz terapevticheskoy kliniki (zav. - prof. A.A. Katanyan)
fakul'teta usovershenstvovaniya vrachey Yerevanskogo meditsinskogo instituta.
(CORONARY HEART DISEASE) (ANTICOAUGLANTS)

KATANYAN, A.A., prof.; MARGIZYAN, G.A., kend.med.nauk

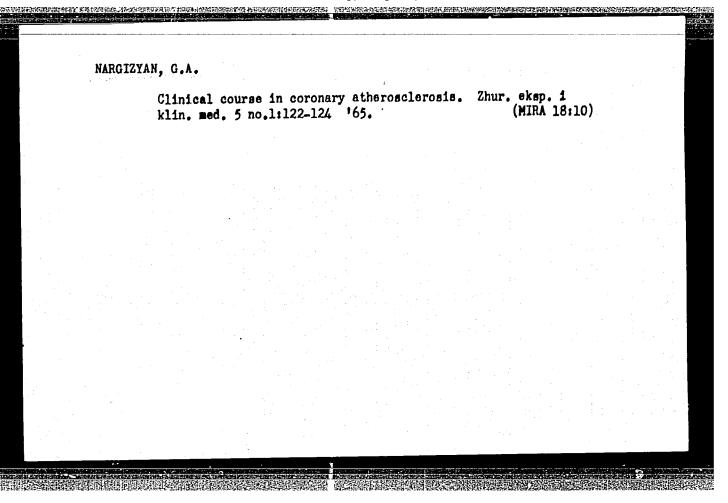
Study of the functional state of coronary circulation during the process of treatment in coronary ahterosclerosis. Terap. arkh. no.8:58-61 '62. (MIRA 15:12)

1. Iz kafedry terapii (zav. - prof. A.A. Katanyan) fakuliteta usovershenstvovaniya vrachey Yerevanskogo meditsinskogo instituta. (CORONARY HEART DISEASE) (ARTERIOSCLEROSIS)

## NARGIZYAN, G.A.; KANDARYAN, M.S.

State of the coronary circulation in patients with anemia during the process of treatment. Zhur. eksp. i klin. med. 3 no.4:35-39 \*63 (MIRA 16:12)

1. Institut perelivaniya krovi Ministerstwa zdravookhraneniya Armyanskoy SSR.

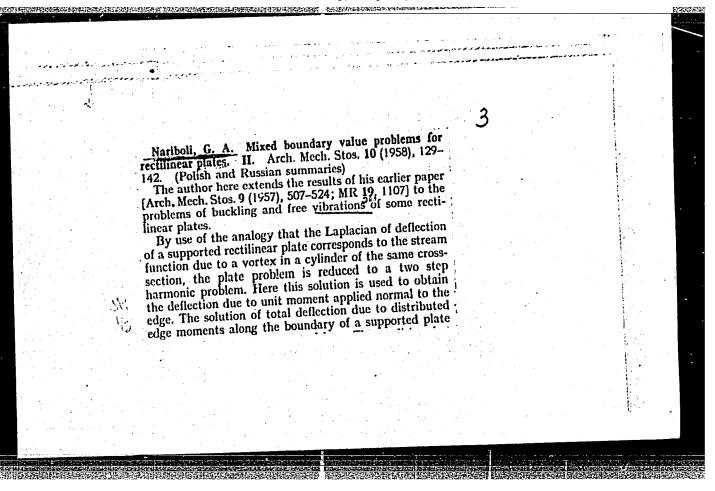


### NARIBOLI, G.A.

"Mixed boundary value problems for rectilinear plates.

p. 507 (Archiwum Mechaniki Stosowanej, Vol.9, No. 5, 1957, Warsaw, Poland)

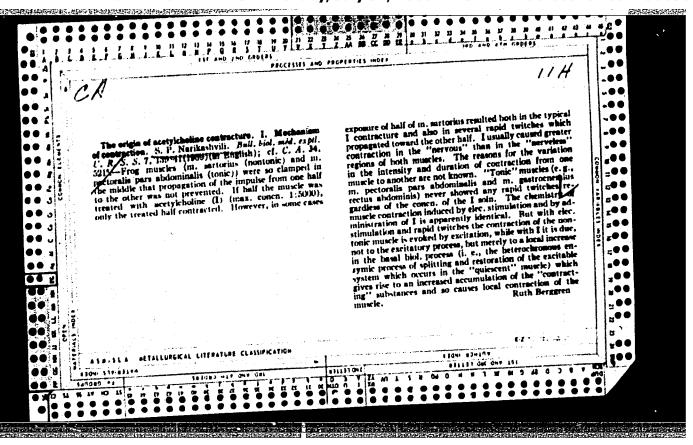
Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No.1, Jan 59

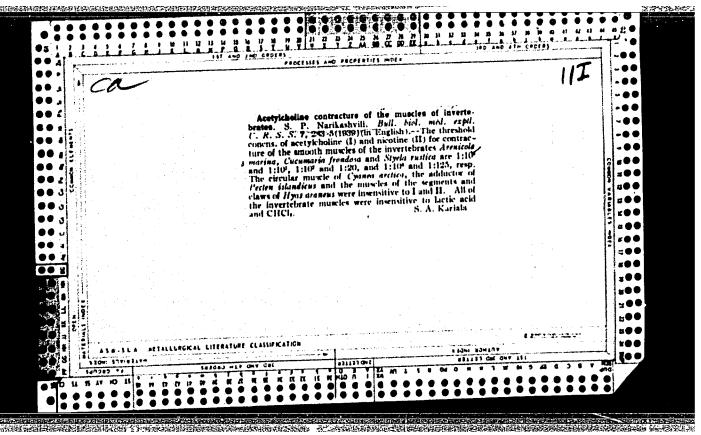


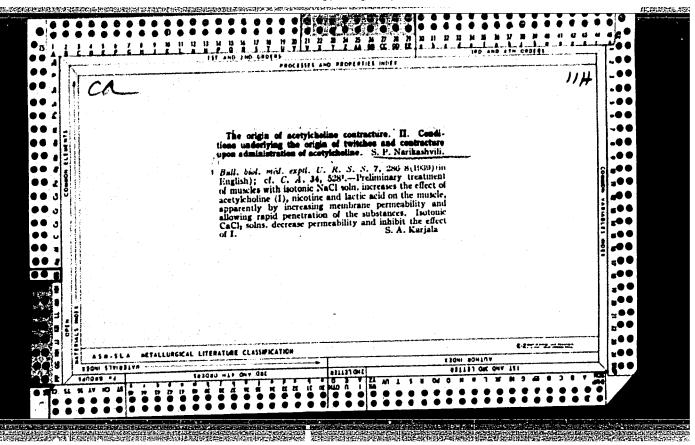
is then represented in an integral form. The condition that the slope must vanish on the clamped part leads to a homogeneous Fredholm integral equation for moment distribution. This is reduced to the solution of an infinite set of algebraic equations whose solubility condition leads to the characteristic equation as the vanishing of an infinite determinant.

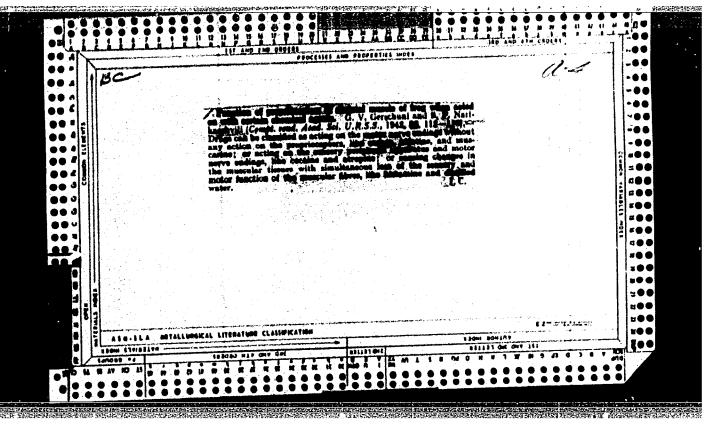
The cases of right-angled isosceles triangle, right-angled triangle with 30° angle and equilateral triangle are treated in detail. Numerical values of the first eigen-value are obtained in each case, and compared with the values under supported boundary conditions. The results show that for the same boundary, the rise in the parameter giving the least buckling load is higher than that giving fundamental frequency and the rise increases with the decrease in angle.

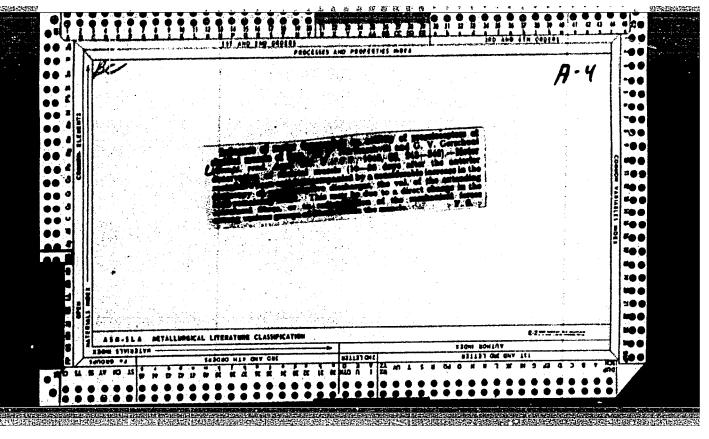
B. R. Seth (Kharagpur)











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Page 1 Nakthorn 1/1 /2.U.

Bakuradze A. and Narikashvili S. Spontaneous electrical activity of the brain during sleep Transactions of the Beritashvili Physiological Institute 1945, 6 (377-401) Illus. 6

The electrical activity of the cerebral cortex was studied during normal night sleep in 10 male subjects aged 18 to 40 years. Potentials were led off bipolarly along and across the brain. Two cortical regions were recorded simultaneously by a Mess-schleif oscillograph every 10 or 20 minutes during the whole night's sleep. The alpha-rhythm recorded from the occipito-parietal and temporal regions decreased and became irregular during the drowsy state disappearing with the deepening of sleep. When sleep developed gradually the decreasing alpha-rhythm was replaced by weak and irregular potentials. When sleep was deepening quickly the alpha-rhythm disappeared without a preliminary decrease. During this time the cerebral

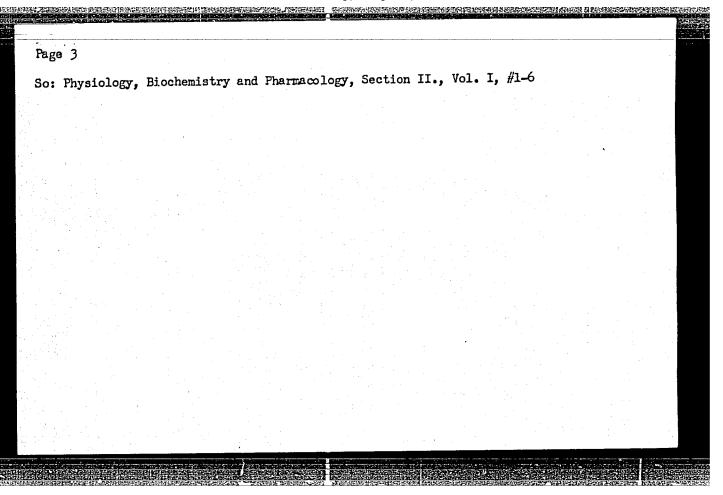
cortex produced weak and irregular potentials which generally occurred in the absence of the alpha-rhythm ('basic electrical activity' after Beritoff.) The basic activity recorded from the occipito-parietal and temporal regions showed periods of weakening, 'silent periods', lasting sometimes till awaking in the morning.

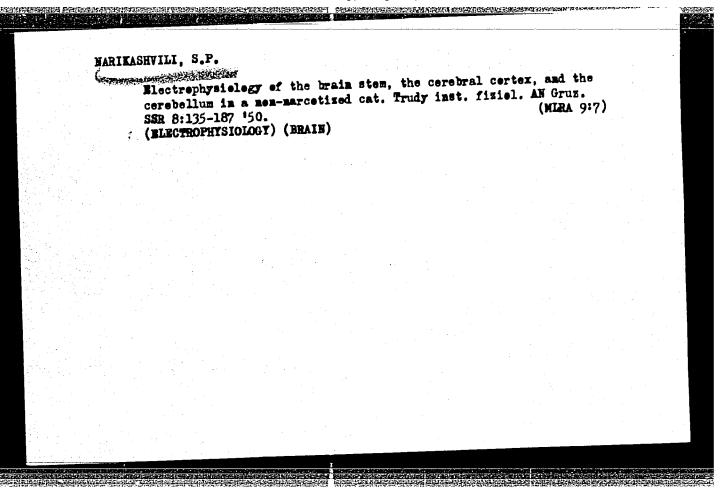
In the frontal and central regions, where the alpha-rhythm during the walking state is generally weaker, the replacing of the latter by basic activity potentials was more evident than in the occipital lobes. From the very beginning of the drowsy state a progressive increase of the irregular potentials of basic activity was noticed, sometimes associated with temporary silent periods. The increase of basic activity

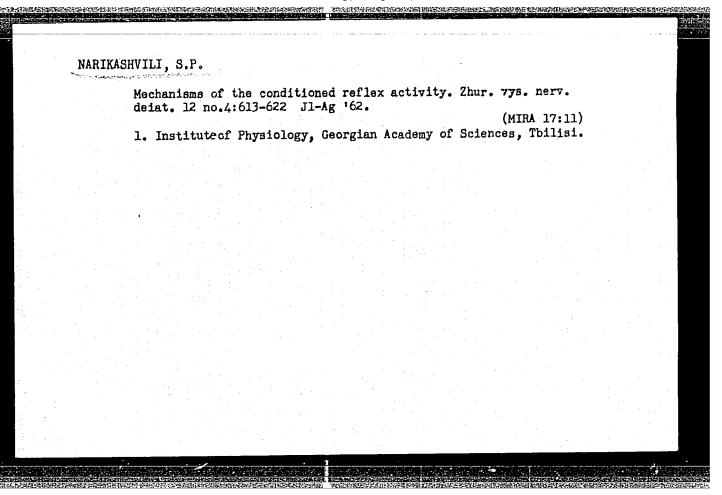
Page 2' in the anterior half of the brain continued parallel with a decrease of alpha-rhythm in the posterior half. The potentials of basic activity sometimes became regular in frequency ranges from 1 to 3 p.s. and from 12/ to 24 p.s. Such slow potentials of great intensity (100 microvolts and more) have been termed delta waves (Loomis et al., Blake and Gerard, Davis et al.). Quicker potentials (12 to 24 p.s.) have been termed by different authors 'spindles'. Therefore sleep does not lead to a general decrease of electrical activity of the cerebral cortex, as has been assumed by many authors on the ground of the weakening of alpha-waves.

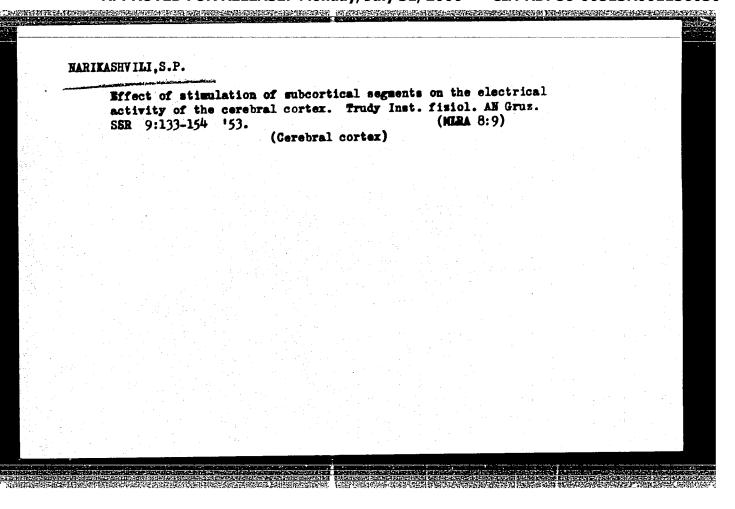
One form of cortical activity (the alpha-rhythm) is merely replaced by another (the basic activity). The latter even increases during sleep, becoming more regular (delta like waves and spindles). The increase of basic activity sets in earlier and is more pronounced in the anterior parts of the brain. Contrary to the statement of Loomis et al., simultaneous arising of delta-like waves and spindles could be observed. During sleep all potentials in symmetrical regions of both hemispheres were found to follow a synchronous course. In different regions of the same hemisphere the synchronism was observed only for more or less intensive alpha-waves whereas the basic activity potentials showed for the most part a lake of synchronism. The gradual increase of the cortical basic activity with the deepening of sleep in apparently caused by turning off or diminution of the flow of afferent impulses from different receptors (especially from proprioceptors). This leads to a decrease of excitability and turning off of the corticothalamic nerve circles. Thus the self-exciting nerve circles of the cerebral cortex begin to work more synchronously, and hence the potentials of basic activity become more intensive and regular.

Dzidzishvili-Tiflis









#### NARIKASKUILI

Category: Georgian SSR/General Division. History. Classics. Personalities. A-2

Abs Jour: Referat Zh.-Biol., No 9, 10 May 1957, 34897

Author : Narikashvili

Inst : not given

Title : The Leading Georgian Scholar, Academician I. C. Beritashvili

Orig Pub: Metsniereba da tekhnika, 1955, No 6, 10-13

Abstract: The article is devoted to Acad. Beritashvili (born, 1884), a Georgian physiologist, founder of the physiology school of Georgia, leader of the Institute of Physiology of the Academy of Sciences of the Georgian SSR. His work in the field of the physiology of the muscular-nervous system attained great renown, particularly on the central nervous system (his research was devoted to the contracting ability of various muscles, the interaction of the processes of stimulation and contraction, to the unifying activity of the cortex of the large hemispheres, etc.) Beritashvili is the author of a large number of scientific works, among which is the two volume manual "General Physiology of the Muscular and Nervous Systems). (1922)

Card: 1/1

-21-

Nervous System, Cerebral Cortex. USSR / Human and Animal Physiology. : Ref Zhur - Biol., No 15, 1958, No. 70527 Abs Jour · New Wood - It had to be 遺物性 はつず : Narikashvili, S. P. Author : Academy of Sciences GSSR Inst : The Interaction of Responses of Various Receptor Regions Title of the Cerebral Cortex graps contain a mindrichtum am mei benne (med Dames) : In the collection, Probl. sovrem. fizio. nervn. i myshechn. Orig Pub sistem. Tbilisi, AN GruzSSR, 1956, 225-241 therefore of the bolling our hold Appelence a indickens of a status of the cities : In experiments on cats under light nembutal narcosis or Abstract on "encephale isole" preparations, studies were made of the interaction of rhythmic light (IS) and sound (SS) stimuli. The addition of the SS to the IS suppressed the responses of the visual zone of the cortex. Sometimes there was also a facilitating action of the SS on the IS. Upon combination of infrequent SS and IS, it was possible to observe that the SS changes principally Card 1/2 多级体 劉 126

#### "APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R001136030

NARIKASHVILI, S.P.

USSR/Human and Animal Physiology - Nervous System

V-12

Abs Jour : Ref Zhur - Riol., No 1, 1958, No 4453

Author : S.P. Narikashvili

Inst : Institute of Physiology, Academy of Sciences, Georgian

SSR

Title : Bicelectrical Response Potentials in Various Areas of the Auditory Region of the Cerebral Hemispheres of the

Cat and Their Variations Depending on the Strength and

Frequency of Auditory Stimuli Application.

Orig Pub: Tr. In-ta Fiziologii, 1956, 10, pp 73-101

Abstract : Auditory stimuli applied for 0.1 to 5 milliseconds produ-

ced a primary response -- positive oscillation -- in the back of the ectosylvian gyrus (ESG) of the cat when put under light nembutal narcosis. Retween the middle and

the anterior ESG the response was triphase: negative -

Card : 1/4

original responses in all sections of the auditory region.

Card : 2/4

USSR/Human and Animal Physiology - Nervous System

V-12

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 4453

ark profes opene - Breille, op 12. andre Barbold

In some cases high tones exerted greater influence on positive oscillations while low tones influenced negative oscillations to a greater extent. A slight masking sound led to an increase of the latent period and a continuance of original responses. A prolonged action of the masking sound weakened its effect. Increased frequency of auditory stimuli (from eight to ten per second) led to an extinction of the secondary negative oscillation in the beginning and to an eventual disappearance of the positive oscillation; finally, when stimuli were applied very frequently, the original negative oscillation became extinct. Increase of sound intensity was accompanied by increased amplitude of original responses and expended continuance of the positive oscillation. In cases of rhythmic stimulation increased sound intensity may have caused decreased amplitude of the original response. It is therefore, assumed that the

card : 3/4

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GUGUMAVA, Ye.; NEBIYERI, V.; MARIKASHVILI, S.P., prof., red.; GIORGADZE, O., red.isd-va; TODUA, A., tekhn.red.

Ivan Solomonovich Beritashvili. Vstup. stat'is S.P.Merikashvili. Bibliografiis sostavlens E.Gugunova i V.Mebleri. Thilisi, 1957. 127 p. [In Georgian, German, and Bussian.] (MIRA 11:4)

1. Akademiya nauk Grusinskoy SSR, Tiflis. (Beritashvili, Ivan Solomonovich, 1884-) (Bibliography--Physiology)
```

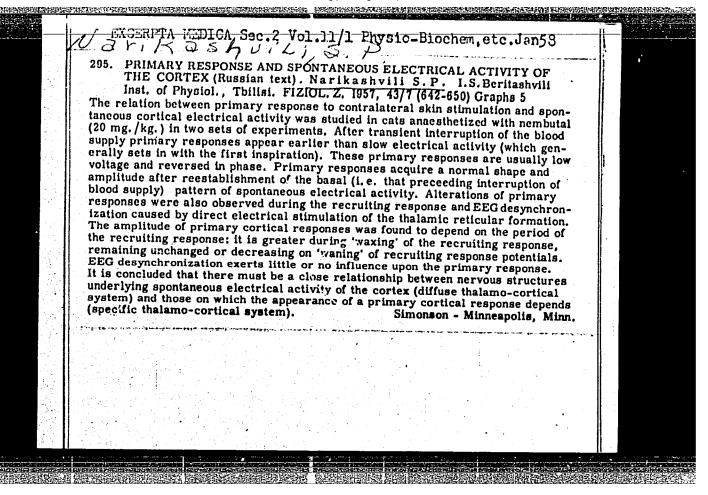
NARIKASHVILI, S.P.; MONIAVA, E.S.

Interaction of diffuse and specific thalamocortical projection systems. Soob. AN Grus. SSR 19 no.3:347-354 S \*57. (MIRA 11:5)

1. Akademiya nauk Grusinskoy SSR, Institut fisiologii im. akad.
I.S. Beritashvili, Tbilisi, Predstavleno akademikom I.S.
Beritashvili.

(CHERRAL CORTEX) (OPTIC THALAMUS) (SEESES AND SENSATION)

### "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136030



### Natikashvili 5.P.

AUTHORS:

Dwidnishvili, I. H., Prefessor.

30-1-32/39

Chamishvili, Sh. F., Corresponding Member AS, Georgien SSR

TIPLE:

A Recting With the Biologists of the Transcaucasian Region (Vetrecha s biologami Zukavkaz'ya). Joint Session of the Biological Departments of Tuc Accdenies (Gb yedinenny, sessifa biologichockiki otdoloniy dvaka akademiy).

PURICUICAL:

Velbair AM 3332, 1958, Vol. 28, Mr 1, 1p. 121-125 (9932)

ABSTLLUT:

At Thilippi a common continuous Department for Biological sofences All USSR and two departments of the AM Graziy: BH of biclogical and . diadl, as isll as of agricultural coinness took place. whee the weer lentatives of several transcruction Parublics were process, as well as a large group of coientists from keseow and Laningrad. During the congress, which lasted from Seltumber 23 to Cataban 3, 3 planary and 4 sectional secutions took place. The following rejects were delivered: 1) I. S. Beritachvili. Go the part played by the homispheres of the cerebrum and the cerebellum in the spatial orientation of unimals.

2) S. P. Barikashvili. The thelamic reticular system and the Trimery reaction of the corebral cortex of the large ! eni-

Card 1/4

epheres.

30-1-32/39 A Meeting With the Biologists of the Transcaucacian Region. Joint Session of the Pick giant Departments of Two Academies. 3) A. I. Reytbak: Bioelectric phenemena in the course of conditional expitations. 4) V. V. Arten' gav. Electric reactions of the hemispheres of the cerebrum in entero- and interseptal excitations. 5) Yu. G. Regin: The dependence of electroencephalogram rhythms on the analyzing activity of the brain. 6) L. I. Ketlyaravehiy: On certain peculiarities of the highor nervous activity of white rate under physiological and pathological conditions. 7) G. Kh. Bunyatyan: Cortain results concerning the control of the corebral cortex of metabolism. 3) G. F. Frank: Structural- and physical-chemical bases of the creation and propagation of an excitation over nerve fibres. 9) P. S. Chanturis'wili: On the checking of the results of the causal-analytical investigation of the development of the erystalline lens. 10) D. M. Shteysberg. On the part played by the humoral factors in the pubescence of arthoropods.

in the breeding of plants.

Card 2/4

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136030(

11) L. I. Duhaparidue: The nutrition of the vine and chlorosis.
12) N. A. Krasil'nikov: Antibictic substances and their use

A Meeting With the Biologists of the Transcencesian Region. 30-1-32/39

Joint Session of the Biological Departments of Two Academies.

13) V. I. Galisas will: Contradictory peculiarities in the heredity of reliet types of wood and their importance for the development of vegetable organisms.

- 14) M. Kh. Chaylakhyan: The chemical stimulation of the growth and the blossoning of plants.
- 15) Ye. N. Mishustin. The theory of the microbe associations of the soil.
- 16) P. A. Genkel!: The importance of colloidal-chemical properties of the protoplasm for the physiology of plant resistance. 17) T. S. Sulabadze: Growth substances and the resistance
- against frost of citrus plants.
  18) M. N. Chrelashvili: The influence exercised by low temperatures on the state of the stratification in certain avergreens.
- 19) V. L. Monabde: Hybridization as one of the factors of the enrichment and renewal of the stock of types and species of Gruziya wheat.
- 20) T. S. Kezeli: The vitamin composition of the principal fodder plants of the readows and key fields of Gruziya.
  21) L. F. Pravdin: The next tasks to be performed by forest selection in accordance with various natural conditions.

22) V. P. Volobuyev: Scil-climatic correlations and energetics

Card 3/4

A Mesting With the Biologists of the Transcaucasian Region. 30-1-32/39

Joint Session of the Biological Departments of Two Academies.

of soil formation.

23) E. M. Lavrunko: The Caucasus and the mountains of Central Europe in botanical and geographical respect.

24) A. L. Kharadse: On the history of mountain xerophyte vegetation of the Central Caucasus.

25) S. V. Zonn Comparative characteristic of the red earth of Ceorgia and China.

26) V. G. Kazaryan: The principal points of the theory of the increasing contradiction in plant ontogenesis.

27) L. Sh. Davitashvili: The theory on the progress of evolution and the tasks of modern biology.

AVAILABLE:

Library of Congress

1. Biology-Conference 2. Scientific reports

Card 4/4

NARIKASHVILI, S.P., EUTEHUZI, S.M.

Relationship between descending and ascending effects of the reticular formation of the medulla oblongata [with summary in English].

Fiziol.shur. 44 no.9:848-858 \$'58 (MIRA 11:12)

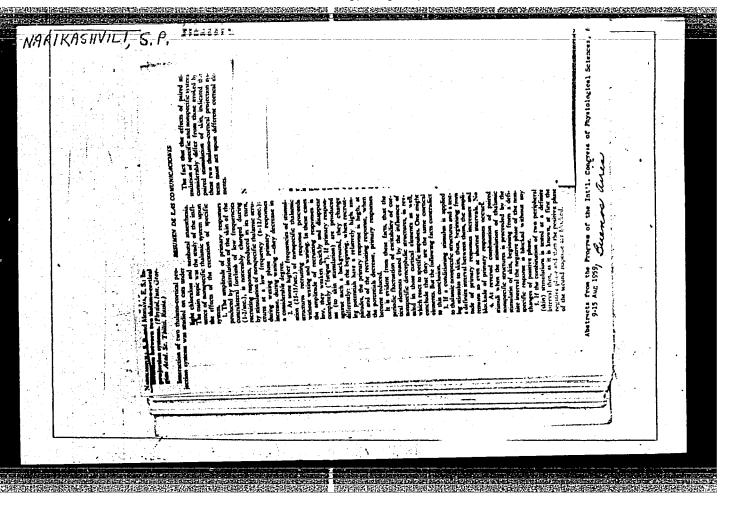
1. Institut fiziologii AN Gruzimakoy SSR, Tbilisi.

(MEDULIA CELUNGATA, physiol.

reticular form., relationship between ascending & descending eff. (Rus))

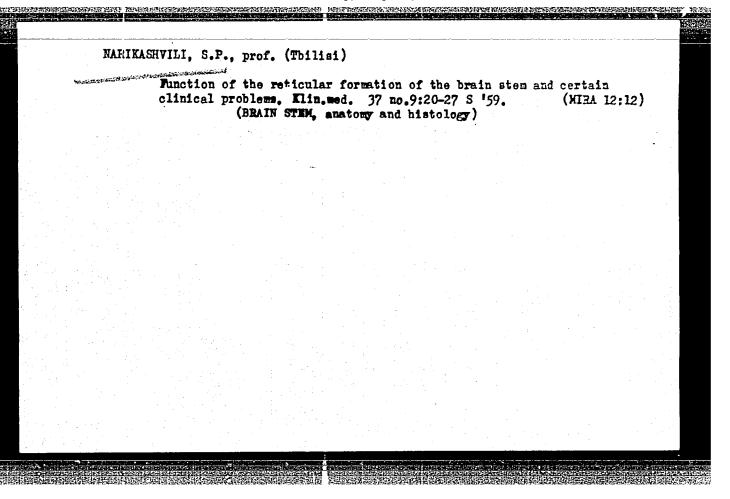
NARIKASHVILI, Sergey Pavlovich; SARADZHISHVILI, P., red.; VOLKOVA, I., red.izd-va; TODUA, A., tekhn.red.

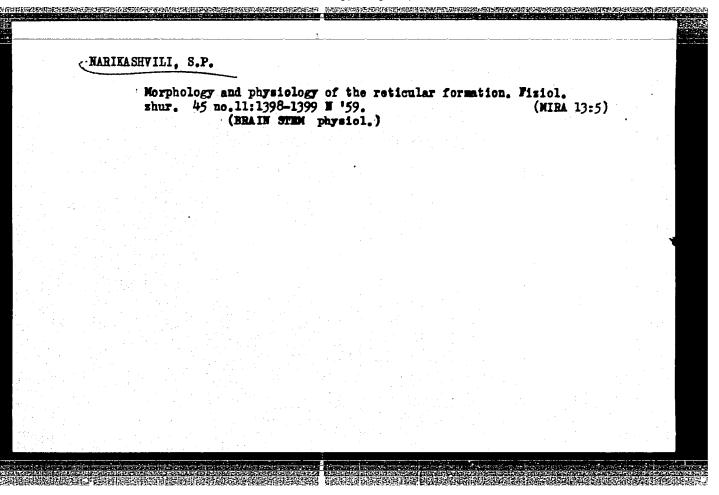
[Some problems in the physiology and pathology of the reticular formation of the brain] Nekotorye voprosy fiziologii i patologii setevidnoi formatsii golovnogo mozga. Tbilisi, Izd-vo Akad.nauk Gruz.SSR, 1959. 76 p. (MIRA 13:7)



1. Institute of Physiology, Georgian Academy of Sciences, Thilisi.  (CEREBRAL CORTEX - physiology)  (THALAMUS - physiology)		Correlations between the lamocortical projection systems.  Zmr.vys.nerv.deiat. 9 no.3:461-470 My-Je 159. (MIRA 12:9)
		Tbilisi. (CEREBRAL CORTEX - physiology)

### "APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136030





### BUTKHUZI, S.M.; NARIKASHVILI, S.P.

Significance of anesthesia in the inhibiting effect of the bulbar reticular formation on spinal activity. Biul. eksp. bicl. med. 47 no.2:3-9 F '59. (NIRA 12:4)

l. Iz Instituta fiziologii AN Gruzinskoy SSr, Tbilisi. Predstavlena deystvitel'nym chlenom AMN SSSR I.S. Beritashvili.

(MEDULIA OBIONGATA, physiol.

reticular form., eff. of anesth. on inhib. eff. on spinal cord (Rus))

(ANISTHESIA, effects,

on inhib, eff. of medullar reticular form, on spinal cord (Rus))

(SPINAL CORD, physiol.

eff. of anesth. on inhib. eff. of medullar reticular form. (Rus))

NARIKASHVILI, S. P. (Tbilisi)

O korkovoy regulvatsii deyatel'nosti nespetsificheskikh obrazovaniy

golovnogo mozes

report submitted for the First Moscow Conference on Reticular Formation, Moscow, 22-26 March 1960.

NARIKASHVILI, S. P.; MONIAVA, E. S.; KADZHAYA, D. V. (Tbilisi)

Vliyaniye retikulyarnoy formatsii na otvetnuyu aktivnost' vritel'noy afferentnoy sistemy.

report submitted for the First Moscow Conference on Reticular Formation, Moscow, 22-26 March 1960.

### ANTELIDZE, B.F.; BUTKHUZI, S.M.; NARIKASHVILI, S.P. Changes in breathing related to inhibition and facilitation of signal reflexes during stimulation of the reticular formation. Soob. AN Gruz. SSR 24 no. 1:81-88 Ja '60. (MIRA 14:5) 1. Akademiya nauk Gruzinskoy SSR, Institut fiziologii, Tbilisi. Predstavleno akademikom I.S. Beritashvili. (RESPIRATION)

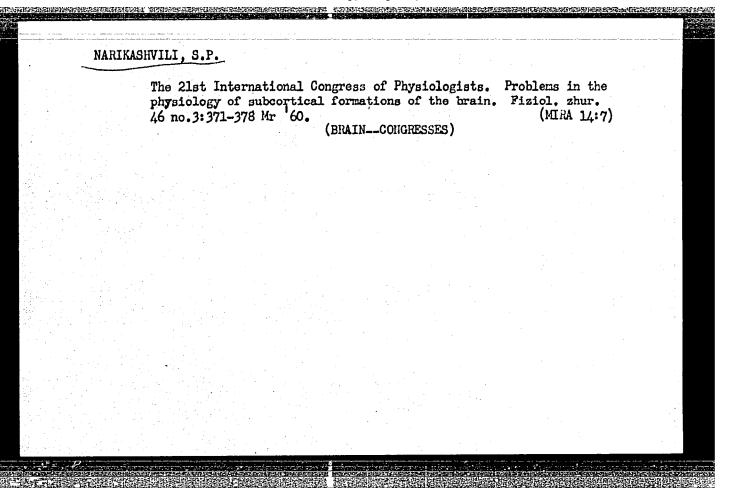
APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0011360300

MONIAVA, E.S.; MARIMASHVILI, S.P.

Iffect of stimulation of thalamic unspecific nuclei on the cortical effects of specific nuclei. Soob.AN Gruz.SSR 25 no.5:605-612 N (MIRA 14:1)

1. Akademiya nauk GrüsSSR, Institut fiziologii, Tbilisi. Predstavleno akademikom I.S. Beritashvili.

(THAIAMUS) (CERIBRAL CORTEI)



MARIKASHVILL, S.P.; BUTKHUZI, S.M.; MOHIAVA, E.S.

Effect c fire corebral cortex on non specific thalaric reactions.
Fiziol. 2.1. 46 no.6:653-663 Je '60. (MIRA 13:8)

1. From the Institute of Physiology, Academy of Sciences of the Georgian Joviet Socialist Republic, Tbilist.
(CEREBRAL CONTEX) (OPTIC THALAMUS)

84578

S/020/60/134/001/038/038/XX B016/B060

17.2550

•

Narikashvili, S.P., Moniava, E.S., and

Kadzhaya, D. V.

TITLE:

AUTHORS:

Interaction Mechanism of Analyzers

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol. 134, No. 1.

REALTH DECIMAL PROPERTY OF THE PROPERTY OF THE

pp. 229 - 232

TEXT: The authors investigated the interaction mechanism of analyzers under combined skin- and light irritation. 15 non-narcotized cats, kept immobile by intravenous injections of tubocurarine, were the test specimens. The potentials were derived from the visual region and other regions of the cerebral surface and also from the external knee-joint region. Their recording was made with an electroencephalograph of trademark "Alvar". The skin of the "contra-lateral anterior leg" was irritated by individual electric pulses. After a 1-2% solution of sulphuric atropine both eyes were irritated with light flashes (1 m/sec) of constant brightness. Under the action of a more or less strong irritation, the corresponding reactions were suppressed both

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84578

Interaction Mechanism of Analyzers

S/020/60/134/001/038/XX B016/B060

in the visual area of the cortex and in the knee-joint region of the body. Fig. 1 shows an oscillogram obtained from such an experiment. The overall picture of the activity, caused by skinirritation, of the afferent visual system points to the fact that the suppressing action of one analyzer upon the other takes place on the subcortical level, because not only cortical reactions, but also the specific, thalamic reactions appear to be suppressed. When skin irritation is stopped, the corresponding potentials are restored with varying rapidity. In the visual region of the cortex and in the external knee-joint region this restoration runs in parallel and more or less exactly coincides with the restoration of the slow background activity, i.e., with the end of EEG desynchronization. Quite frequently, the degree of suppression of visual cortical reactions (under the effect of cortical irritations) is higher than that of the reactions of the knee-joint region (see oscillograms Figs. 2 and 3). The fact that the cortical reactions are more strongly suppressed than those of the nucleus thalami, seems to indicate that the suppression of the cortical potentials is not only explained by the action of the substantia reticularis upon the afferent paths up to the nuclei thalami, but also by a direct inhibiting action

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84578

Interaction Mechanism of Analyzers

S/020/60/134/00:/038/038/XX B016/B060

upon cortical neurons. This statement has been substantiated by experiments (Fig. 4). All changes in the corresponding potentials, which follow upon the interaction of different analyzers, are connected with the activation of the reticular system. The authors are at present carrying out a special experimental analysis to substantiate definitely their opinion of the varying effect of the reticular system upon the cortical potentials arising upon irritation of the eye and the knee-joint region. There are 4 figures and 15 references: 1 Soviet, 8 US, 1 British, and 1 French.

ASSOCIATION: Institut fiziclogii Akademii nauk GruzSSR

(Institute of Physiology of the Academy of Sciences

GruzSSR)

PRESENTED:

February 8, 1960, by I. S. Beritashvili, Academician

SUBMITTED:

January 8, 1960

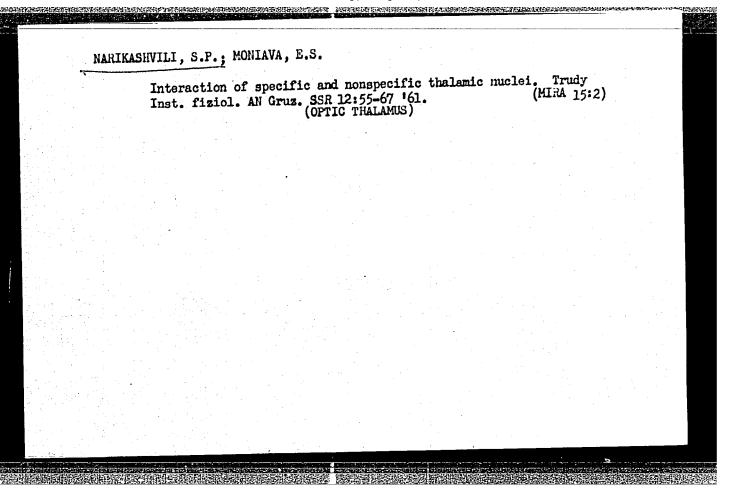
Card 3/3

X

MONIAVA, E.S.; KADZHAYA, D.V.; NARIKASHVILI, S.P.

Mechanism of the influence of the reticular formation on responses from the visual region of the cerebral cortex. Zhur. vys. nerv. deiat. 11 no.5:868-877 S-0 '61. (MIRA 15:1)

1. Institute of Physiology, Gerogian Academy of Sciences, Tbilisi. (BRAIN) (CEREBRAL CONTEX) (REFLEXES)



NARIKASHVILI, S.P.; MONIAVA, E.S.; BUTKHUZI, S.M.

Effect of tetanic stimulation of the sensory-motor cortex on the thalamus relay nucleus. Fiziol. zhur. 47 no.7:863-871 J1 '61.

(MINA 15:1)

1. From the Georgian S.S.R. Academy of Sciences Institute of Physiology, Tbilisi.

(CEREBRAL CORTEX) (OPTIC THALAMUS)

8/245/62/000/003/002/002 1015/1215

AUTHOR:

Narikashvili, S.P.

TITLE:

Problems of the physiology of analyzers based on modern data about the structure and function of the brain

PERIODICAL: Voprosy psikhologii no.3, 1962, 56-72

TEXT: Modern assessment of the role of the reticular formation conforms with Pavlov's view of the importance of "subcortex" for an adequate cortical function. In the brain stem it participates in activation, in regulation at the origin, and in propagation of the afferent impulses. The cortex itself participates in regulating the analyzing activity of CNS. Perception

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Problems on the physiology of ...

and analysis are considered to be active processes that involve the participation of the reticular formation. An adequate correlated activity of the cortex and subcortical structure is necessary to ensure the integration of any higher nervous function. The reticular formation constitutes one of the most important subcortical structures. There are 108 references.

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## Changes in the electrical activity of the cerebral cortex in partial injuries of the brain stem. Vop.neirokhir. 25 no.1:26-33 '62. (MIRA 15:1) 1. Institut fiziologii AN Cruzinskoy SSR. 2. Chlen-korrespendent AN Cruzinskoy SSSR (for Narikashvili). (ERAIN-WOUNDS AND INJURIES) (CEREBRAL CORTEX) (ELECTROENCEPHALOGRAPHY)

# Dynamics of changes in the electric rhythms of the cerebral cortex following lesions of the reticular formation of the brain stem. Soob\_AN Gruz\_SSR 28 no.1:81-88 Ja '62. (MURA 15:4) 1. Akademiya nauk Gruzinskoy SSR, Institut fiziologii, Tbilisi. 2. Chlen-korrespondent AN Gruzinskoy SSR (for Narikashvlli). (RRAIN-WOUNDS AND INJURIES) (CEREBRAL CORTEX) (ELECTROPHYSIOLOGY)